

<b>NITRATE ELECTRODE METHOD</b> <b>SM 19<sup>th</sup> 4500-NO<sub>3</sub><sup>-</sup> H</b>						Page 1 of 1
Facility Name: _____ VELAP ID _____						
Assessor Name: _____ Analyst Name: _____ Inspection Date _____						
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments	
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____						
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____						
Are unpreserved samples stored as follows? <i>Nonpotable: ≤ 6°C up to 48 hours</i> <i>Drinking water: 4°C up to 48 hours unless chlorinated, which can be held up to 14 days</i>	40CFR 136.3, 40CFR 141.23					
Are samples held longer than 24 hours preserved with H <sub>2</sub> SO <sub>4</sub> , stored at ≤6°C, and analyzed within 28 days?	40CFR 136.3, 40CFR 141.23					
When NO <sub>3</sub> <sup>-</sup> and NO <sub>2</sub> <sup>-</sup> are determined as separate species, are samples never acidified?	4500-NO <sub>3</sub> A 2 Introduction					
Are turbid samples filtered using 0.45µm pore-size membrane filters?	SM 4500-NO <sub>3</sub> -A.1					
Is the analysis performed using a continuous flow instrument with a 520-nm filter and a 37°C heating bath?	SM Figure 4500-NO <sub>3</sub> --3					
Are the appropriate reagents and tubing used? Air: Black tubing 1N NaOH: Red tubing Copper reagent: Black tubing Hydrazine reagent: Black tubing Color reagent: Orange white tubing	SM Figure 4500-NO <sub>3</sub> --3					
Is reduction efficiency (aimed at 100%) checked prior to analyzing samples by running a 2 mg/L nitrate standard and a 2 mg/L nitrite standard? (Lab should specify acceptance criteria since not in method.)	SM 4500-NO <sub>3</sub> -H.4					
Notes/Comments:						